

AMENDMENTS TO THE CLAIMS:

The listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1-26 (Cancel)

27. (Previously Presented) An apparatus comprising:
a body portion formed of a dimension suitable for a medical device application and comprising a polyolefin polymer material comprising a node and a fibril microstructure, wherein the node and fibril microstructure is formed by successive stretching of the polymer material in the presence of a solvent and in the absence of a solvent.
28. (Previously Presented) The apparatus of claim 27, wherein the body portion comprises a catheter balloon.
29. (Previously Presented) The apparatus of claim 27, wherein the body portion comprises a film or tube having dimensions suitable for a graft.
30. (Previously Presented) The apparatus of claim 27, wherein the node and fibril microstructure comprises nodes that range from about one micron to 100 microns in a largest dimension.
31. (Previously Presented) The apparatus of claim 27, wherein the node and fibril microstructure comprises nodes spaced about 10 microns to about 500 microns apart and connected together by fibrils.
32. (Previously Presented) The apparatus of claim 27, wherein the polymer material comprises polyethylene.

33. (Previously Presented) The apparatus of claim 32, wherein the polymer material comprises ultra-high molecular weight polyethylene.

34. (Previously Presented) The apparatus of claim 27, wherein the body portion exhibits a negative Poisson's ratio.

35. (Previously Presented) An apparatus comprising:
a body portion comprising an ultra-high molecular weight polyolefin material comprising a node and a fibril microstructure wherein the body portion is formed after separating the ultra-high molecular weight polyolefin material from a portion of a solvent.